(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 3 February 2005 (03.02.2005)

PCT

(10) International Publication Number WO 2005/009726 A2

(51) International Patent Classification⁷: 30/58, B65H 23/02, 20/06

B29D 30/30,

PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:

PCT/NL2004/000531

(22) International Filing Date: 23 July 2004 (23.07.2004)

(25) Filing Language:

Dutch

(26) Publication Language:

English

(30) Priority Data: 1024009

28 July 2003 (28.07.2003) NL

(71) Applicant (for all designated States except US): VMI EPE-HOLLAND B.V. [NL/NL]; Gelriaweg 16, NL-8161 RK Epe (NL).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): KAAGMAN, Mattheus, Jacobus [NL/NL]; Looiersdreef 705, 7328 HX Apeldoom (NL). KOOIMAN, Franciscus, Johannes, Wilhelmus [NL/NL]; Pruisische Veldweg 36, 7552 AC Hengelo (NL).
- (74) Agent: VAN ESSEN, Peter, Octrooibureau Vriesendorp & Gaade, P.O. Box 266, NL-2501 AW The Hague (NL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC; EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,

ZW.

(84) Designated States (unless otherwise indicated, for every

kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA. CH. CN, CO, CR. CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP. KE. KG, KP. KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD. MG. MK. MN. MW. MX. MZ. NA. NI. NO. NZ. OM. PG. PH. PL. PT. RO. RU. SC. SD. SE, SG. SK. SL. SY. TJ. TM. TN. TR. TT. TZ. UA. UG. UZ. VC. VN. YU. ZA. ZM. ZW. ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG. CH. CY. CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT. LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF. BJ, CF. CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN. TD. TG)

Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TREAD APPLICATION DEVICE

(57) Abstract: The invention relates to a tread application device for applying a tread on a building drum for a tyre, comprising a tread conveying device for conveying a tread to a building drum, from a feed side of the tread conveying device to a discharge side of the tread conveying device in a conveyance direction, and a positioning device for positioning the tread on the building drum, wherein the positioning device comprises measuring means for determining the position of a segment of the tread and generating a position value, displacement means for displacing a segment of the tread with a displacement directional component parallel to the axis of rotation of the building drum, and control means, connected to the measuring means and the displacement means, for on the basis of the position value controlling the displacement device during the application of the tread on the building drum.

